

AYW\ab]Wa` 8aha

DaW_a[Y: DO-214AB (SMC)

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, halogen-free

HYf a]ba`g: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Dc`af]hm: Color band denotes the cathode end

Aa]a i a Fah]b]g (Ta=25 Unless otherwise specified)

D5F5A9H9F	GMA6C@	IB-H	9G'5	9G'6	9G'7	9G'8	9G':	9G';	9G'<	9G'>	9G'?
Device marking code			ES3A	ES3B	ES3C	ES3D	ES3F	ES3G	ES3H	ES3J	ES3K
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	V	50	100	150	200	300	400	500	600	800
Maximum RMS Voltage	V _{RMS}	V	35	70	105	140	210	280	350	420	560
Maximum DC blocking Voltage	V _{DRM(0.1)}	V									
Forward Surge Current (Non	a	A									3.0

-XQFWLRQ WHP SHUDWXUH			7 M								-55 ~ +150
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9`YWhf]Wa` 7\afaWhYf]gh]Wg (Ta=25 Unless otherwise specified)

D5F5A9H9F	GMA6C@	IB-H	H9GH 7CB8-H:CBG	9G'5	9G'6	9G'7	9G'8	9G':	9G';	9G'<	9G'>	9G'?
Maximum instantaneous forward voltage	V _F	V	I _{FM} =3.0A				0.95		1.3		1.7	1.85
Maximum reverse recovery time	t _{rr}	ns	I _F =0.5A, I _R =1.0A, I _{rr} =0.25A									35
Maximum DC reverse current at rated DC blocking voltage	I _R	μA	T _j =25									5
			T _j =125									100
Typical junction capacitance	C _j	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C				60		35		29	21



9G'5 H<F I 9G' ?

H\Yf a a` 7 \afaWhYf]gh]Wg (Ta=25 Unless otherwise specified)

D5F5A9H9F	GMA6C@	IB=H	9G'5	9G'6	9G'7	9G'8	9G':	9G';	9G'<	9G'>	9G'?
Typical Thermal Resistance	R _{J-A} ⁽¹⁾	/W	50								
	R _{J-L} ⁽¹⁾		16								
	R _{J-C} ⁽¹⁾		12								

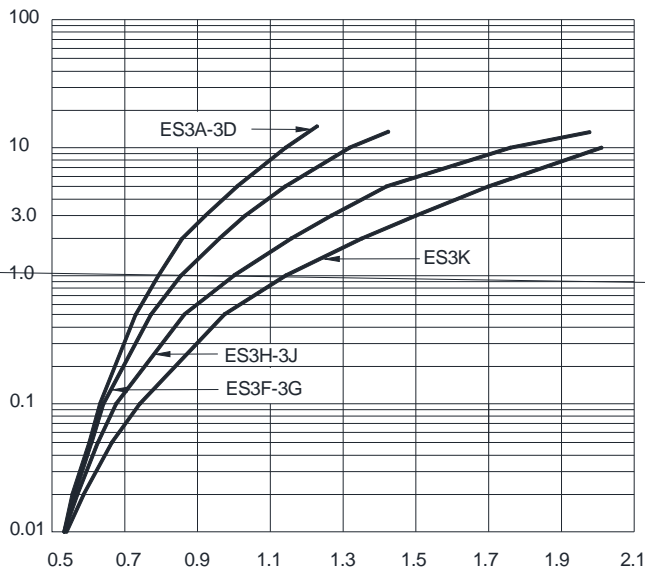
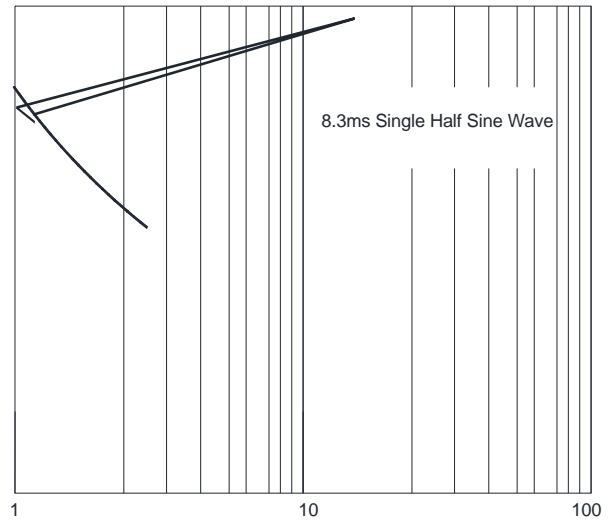
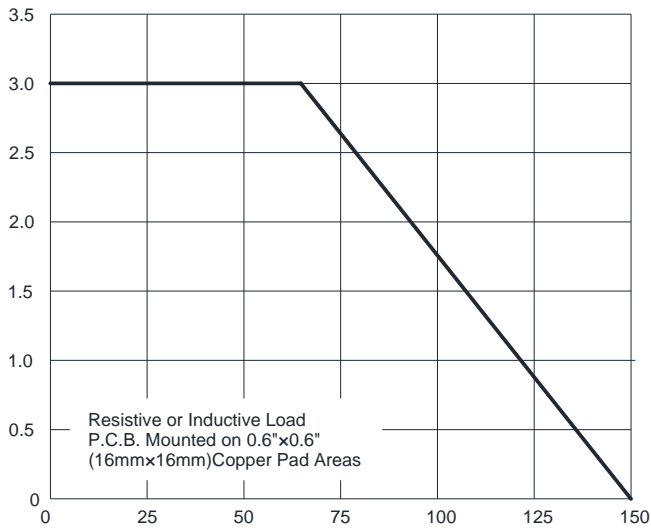
Note (1)

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.6" x 0.6" (16 mm x 16 mm) copper pad areas

CfXyfb [-bzcf a ah]cb (Example)

DF9:9F98 D#B	D57?5;97C89	IB=H K9=: <Hfl]L	A=B=A I A D57?5;9fidWgt.	=BB9F 6CL E I 5BH=HMfidWgt.	C I H9F 75FHCB E I 5BH=HMfidWgt.	89@=J9FM AC89
ES3A-ES3K	F1	Approximate 0.248	3000	/	42000	13" reel

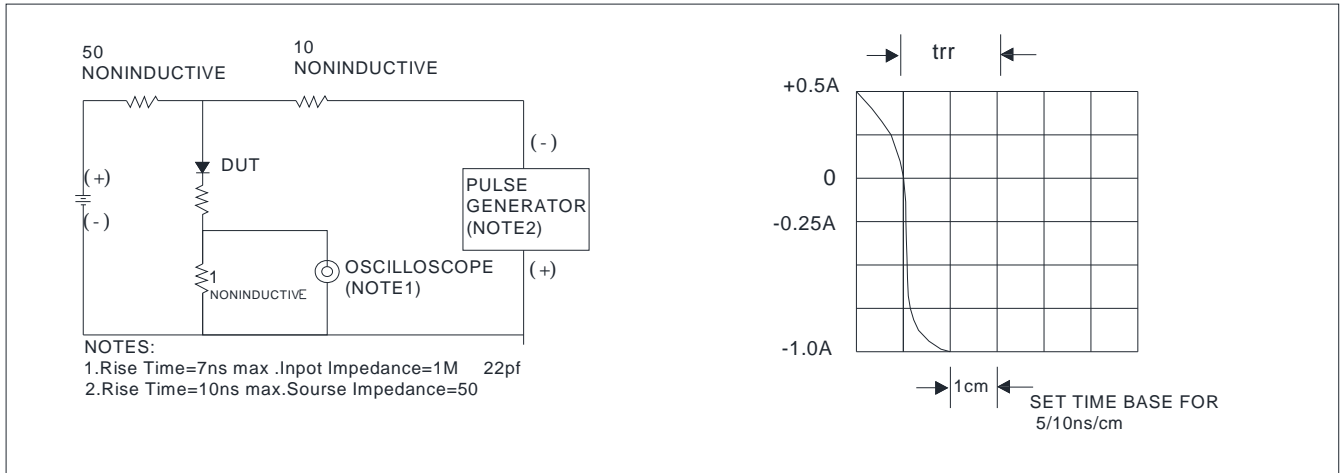
7 \afaWhYf]gh]Wg (Typical)





9G'5 H<F I 9G' ?'

∴;'): 8]a[fa a cZ W]fwi]h abX HYgh]b[kajY Zcfa cZ fYjYfgY fYWcjYfm h]aY



C i h`]bY 8]a Ybg]cbg

8C!&%(56 fGA7L		
Dim	Min	Max
A	6.60	7.11
B	2.85	3.27
C	5.59	6.22
D	7.75	8.13
E	1.99	2.61
F	0.15	0.31
G	0.76	1.52
H	0.05	0.20

Gi [[YghYX daX`amc ih

8C!&%(56 fGA7L	
Dim	Min
P1	9.9
P2	3.84
Q1	3.03
Q2	3.82



8]gW'a]a Yf

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